

PRODUCTION OF ALPHA-OLEFIN OLIGOMER

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Abstract of JP7149675

PURPOSE: To obtain a process for the production of an alpha-olefin oligomer such as 1-hexene in high yield and selectivity on an industrial scale at a low cost without necessitating complicate operations.

CONSTITUTION: An alpha-olefin is oligomerized by using a chromium-based catalyst consisting of at least a combination of a chromium compound, an amine or a metal amide and an alkylaluminum compound. The alpha-olefin is brought into contact with the chromium-based catalyst in a solvent while preventing the contact of the chromium compound with the alkylaluminum compound. The reaction is carried out by using a reactor having a plurality of different reaction zones.

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